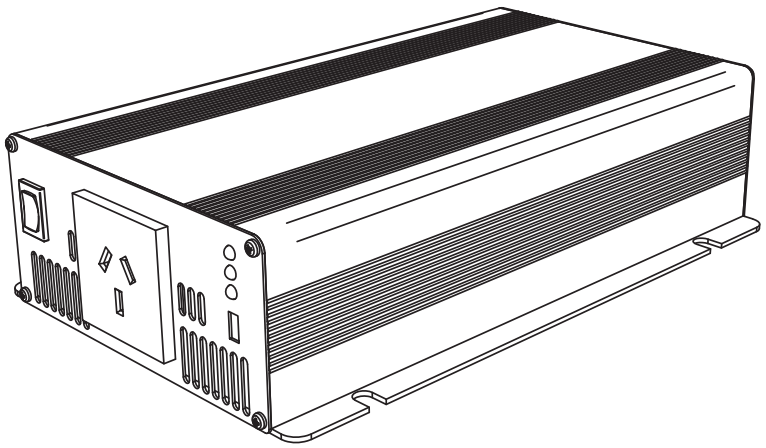
THE POWER OF

REDARC

Pure Sine Wave Inverters

R-12-350S/R-24-350S
R-12-700S/R-24-700S
R-12-1000S/R-24-1000S
R-12-1500S/R-24-1500S
R-12-2000S/R-24-2000S
R-12-3000S/R-24-3000S



TWO YEAR WARRANTY

REDARC PURE SINE INVERTERS

REDARC Pure Sine Wave Inverters produce a pure sine wave output. This means that the power output from a REDARC Pure Sine Wave Inverter is not only the same as the mains supply... it's often better!

WARNING & SAFETY INSTRUCTIONS

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they are supervised or have been instructed on how to use the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

Do NOT disassemble the (Product) - the internal circuitry contains hazardous voltages. Attempting to service the unit yourself may result in electric shock or fire and will void the unit warranty.

Do not expose the inverter to rain, snow, spray, bilge or dust. To reduce the risk of hazard, do not cover or obstruct the ventilation openings. Do not install the inverter in a zero-clearance compartment. Overheating may result.

To avoid a risk of fire and/or electronic shock, make sure that existing wiring is in good condition and not undersized.Do not operate the inverter with damaged or substandard wiring.

Some components in the inverter can cause arcs and sparks. To prevent fire or explosion, do not put batteries, flammable materials, or anything that should be ignition–protected around the inverter.

If battery acid contacts skin or clothing, you must wash it out with soap and water immediately. If battery acid contacts your eyes, you must wash it out with cold running water for at least 20 minutes and get medical attention immediately.

Never smoke or make a spark or flame in the vicinity of the battery or the engine.

Do not drop a metal tool on the battery. The resulting spark or short-circuit on the battery or other electrical part may cause an explosion.

Remove personal metal items such as rings, bracelets, necklaces, and watches when operating with a lead-acid batteries.

Failure to do so may cause short circuit and very high temperature, which can melt metal items and burn your skin.

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1 INTRODUCTION

1.1 12V Specifications

Specification	R-12-350S	R-12-700S	R-12-1000S	R-12-1500S	R-12-2000S	R-12-3000S
Output Power (Cont.)	350W	700W	1000W	1500W	2000W	3000W
Output Power (Max.)	385W	770W	1100W	1650W	2200W	3300W
Surge Rating (Max.)	700W	1400W	2000W	3000W	4000W	6000W
Input Voltage (Nom.)	12V	12V	12V	12V	12V	12V
Input Voltage (Min.)	10.5V	10.5V	10.5V	10.5V	10.5V	10.5V
Input Voltage (Max.)	15V	15V	15V	15V	15V	15V
Output Voltage	220/ 230/ 240V AC ± 3%					
Frequency	50 / 60Hz ± 0.05%					
Output Waveform	Pure Sine Wave (THD < 3%)					
Efficiency (full load)	91.0%	91.0%	91.0%	90.0%	91.0%	90.0%
No Load Current Draw		1.20A	1.25A	1.40A	2.64A	2.80A
Stand-By Current Draw		0.25A	0.25A	0.28A	0.60A	0.55A
Input Voltage Regulation	10.5V - 15.0V					
Input Level Indicator	N/A	Red/ Orange/ Green LEDs				
Load Level Indicator	N/A	Red/ Orange/ Green LEDs				
Failure Indicator	Red LED					
Protection	Overload, Short Circuit, Reverse Polarity (Fuse), Over/Under Voltage, Over Temp.					
Remote Control Unit	Hardwire	CR-6 12 / CR-8				
Safety Certificate	EN60950-1					
EMC	EN55022:1997, EN55024: 1997, EN61000-3-2: 1998, EN61000-3-3: 1995					
Operating Temp.	0 - 40°C					
Cooling	Loading Controlled Cooling Fan					

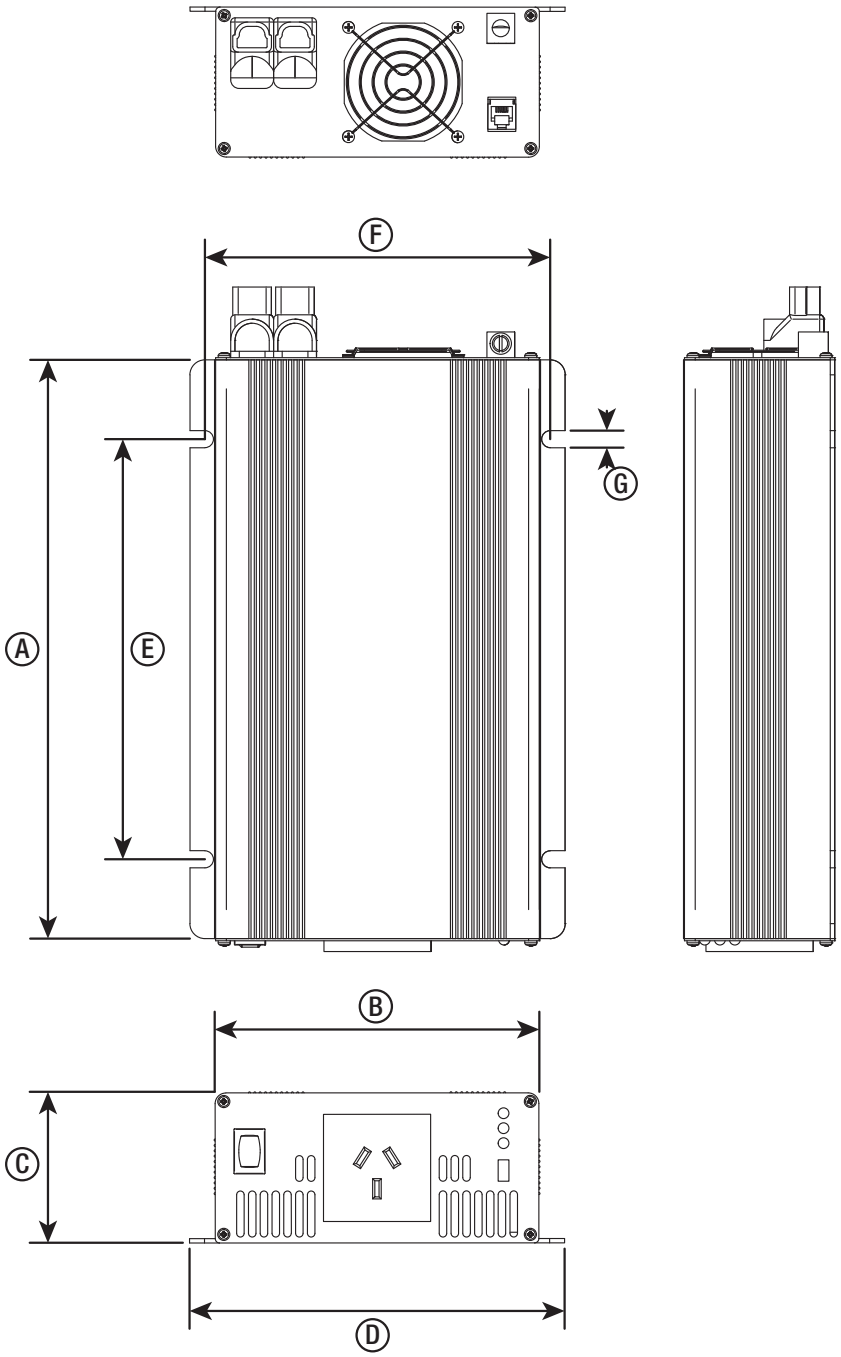
Protection Features for 12V Inverters	
Over Voltage Shutdown	15.3V
Over Voltage Restart	14.3V
Under Voltage Alarm	11.0V
Under Voltage Shutdown	10.2V
Under Voltage Restart	12.7V
Over Temperature Shutdown (Interior)	70°C
Over Temperature Restart (Interior)	45°C
Over Temperature Shutdown (Heat Sink)	90°C
Over Temperature Restart (Heat Sink)	60°C

1.2 24V Specifications

Specification	R-24-350S	R-24-700S	R-24-1000S	R-24-1500S	R-24-2000S	R-24-3000S
Output Power (Cont.)	350W	700W	1000W	1500W	2000W	3000W
Output Power (Max.)	385W	770W	1100W	1650W	2200W	3300W
Surge Rating (Max.)	700W	1400W	2000W	3000W	4000W	6000W
Input Voltage (Nom.)	24V	24V	24V	24V	24V	24V
Input Voltage (Min.)	21.0V	21.0V	21.0V	21.0V	21.0V	21.0V
Input Voltage (Max.)	30V	30V	30V	30V	30V	30V
Output Voltage	220/ 230/ 240V AC ± 3%					
Frequency	50 / 60Hz ± 0.05%					
Output Waveform	Pure Sine Wave (THD < 3%)					
Efficiency (full load)	93.0%	93.0%	94.0%	93.0%	94.0%	93.0%
No Load Current Draw		0.60A	0.65A	0.70A	1.32A	1.50A
Stand-By Current Draw		0.15A	0.15A	0.15A	0.25A	0.35A
Input Voltage Regulation	21.0 - 30.0V					
Input Level Indicator	N/A	Red/ Orange/ Green LEDs				
Load Level Indicator	N/A	Red/ Orange/ Green LEDs				
Failure Indicator	Red LED					
Protection	Overload, Short Circuit, Reverse Polarity (Fuse), Over/Under Voltage, Over Temp.					
Remote Control Unit	Hardwire	CR-6 24 / CR-8				
Safety Certificate	EN60950-1					
EMC	EN55022:1997, EN55024: 1997, EN61000-3-2: 1998, EN61000-3-3: 1995					
Operating Temp.	0 - 40°C					
Cooling	Loading Controlled Cooling Fan					

Protection Features for 24V Inverters	
Over Voltage Shutdown	30.6V
Over Voltage Restart	28.8V
Under Voltage Alarm	22.0V
Under Voltage Shutdown	20.3V
Under Voltage Restart	25.2V
Over Temperature Shutdown (Interior)	70°C
Over Temperature Restart (Interior)	45°C
Over Temperature Shutdown (Heat Sink)	90°C
Over Temperature Restart (Heat Sink)	60°C

1.3 Dimensions



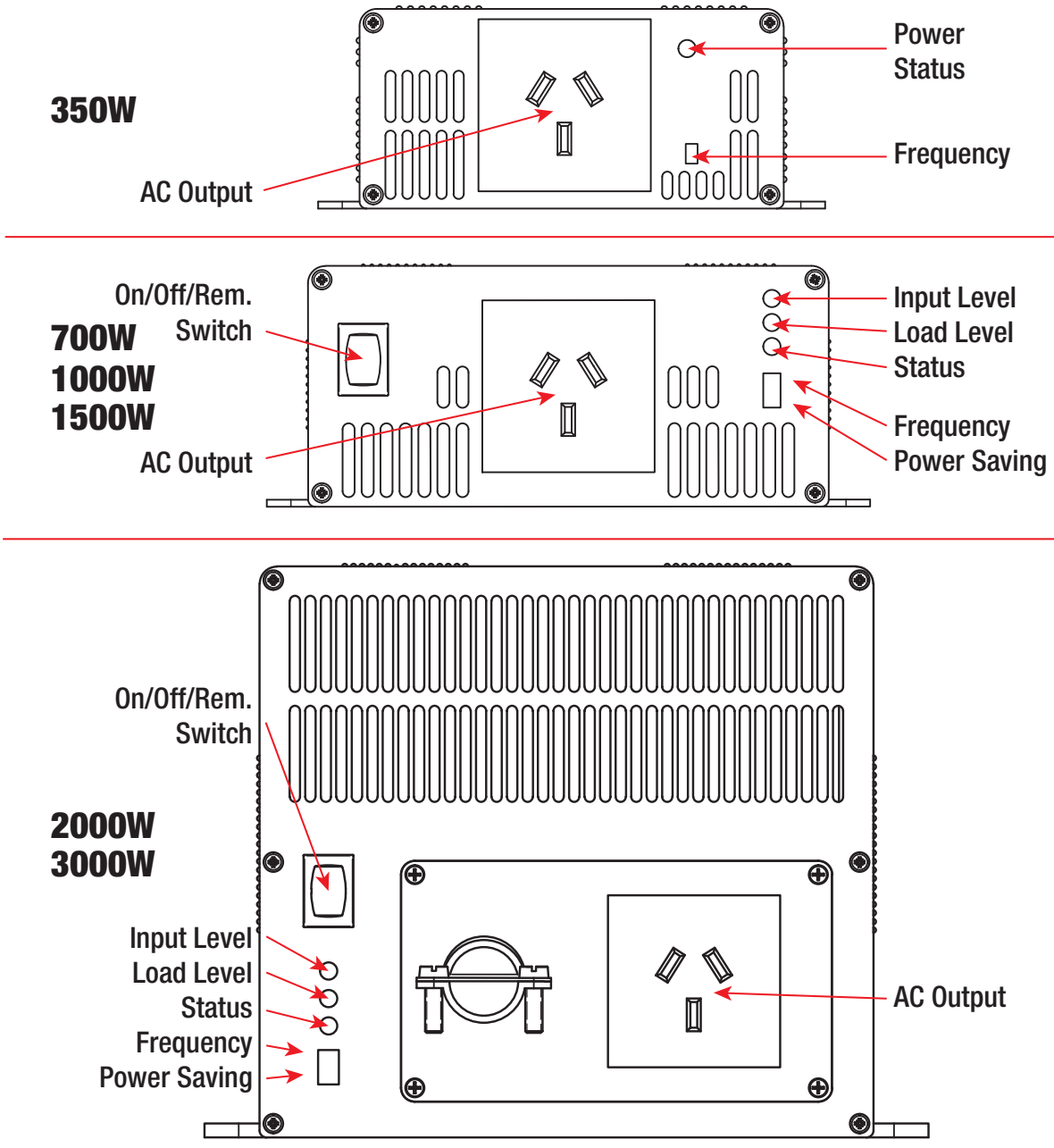
Dimension	350S	700S	1000S	1500S	2000S	3000S
A	180mm	270mm	340mm	370mm	370mm	400mm
B	125mm	150mm	150mm	160mm	180mm	180mm
C	60mm	70mm	85mm	85mm	165mm	165mm
D	145mm	175mm	180mm	190mm	210mm	210mm
E	132mm	195mm	195mm	195mm	245mm	245mm
F	135mm	160mm	165mm	175mm	195mm	195mm
G	6mm	8mm	8mm	8mm	9mm	9mm

2 USER GUIDE

The Redarc pure sine wave power inverter series is one of the most advanced mobile AC power systems available.
For ideal operation of the power inverter, it must be installed and used properly. Please read this instruction manual before you install and operate your inverter.

2.1 Front Panel Operation

2.1.1 Front Panel View



2.1.2 On/Off/Remote Switch (700W - 3000W)

This switch acts as an On - Off switch and can also set the unit to remote mode allowing the On - Off functionality to be performed by either the CR-6 or CR-8 remote control.

Usage:

a. Before installing the inverter, you need to ensure the main switch is set to “OFF”.
b. Before using the remote unit, you need to ensure the main switch is set to “REMOTE”.

2.1.3 Input Level LED Display (700W - 3000W)

The Input Level LED Display is designed to advise the user of the DC Input Voltage Level. The Input Level LED will display the Input Voltage Level using this sequence of flashes and colours on the LED.

LED Status	12V Inverters	24V Inverters
RED Slow Blink	10.3 - 10.6	20.5 - 21.2
RED	10.6 - 11.0	21.2 - 21.8
ORANGE	11.0 - 12.1	21.8 - 24.1
GREEN	12.1 - 14.2	24.1 - 28.6
ORANGE Blink	14.2 - 15.0	28.6 - 30.0
RED Blink	> 15.0	> 30.3

2.1.4 Load Level Display (700W - 3000W)

The Load Level LED Display is designed to advise the user of the currently supplied AC Wattage. The Load Level LED will display the Loaded Wattage using this sequence of flashes and colours on the LED.

LED Status	700W	1000W	1500W	2000W	3000W
DARK	0-56W	0-80W	0-120W	0-160W	0-240W
GREEN	56-230W	80-330W	120-495W	160-660W	240-990W
ORANGE	230-525W	330-750W	495-1125W	660-1500W	990-2250W
RED	525-672W	750-960W	1125-1450W	1500-1920W	2250-2880W
RED Blink	> 672W	> 960W	> 1450W	> 1920W	> 2880W

2.1.5 Status LED Display (All Models)

The Status LED will display Power and Fault Status for the inverter using this sequence of flashes and colours on the LED.

GREEN LED	LED Signal	Status
Solid		Power OK
Slow Blink		Power Saving**
RED LED	**LED Signal**	**Status**
Fast Blink		OVP*
Slow Blink		UVP*
Intermittent Blink		OTP*
Solid		OLP*

*Note: Refer to Troubleshooting (Section 4) for details on status indication.
**Note: Power Saving Mode not available for 350W model.

2.1.6 Power Saving Mode Settings (700W - 3000W)

Power saving mode will trigger when the AC Loaded Wattage (Power Consumption) falls below the set threshold. The threshold can be set using S1, S2 and S3 on the DIP switch Panel in the sequences shown on this table.

700W	1000W 1500W	2000W 3000W	S1	S2	S3
DISABLE	DISABLE	DISABLE	Off	Off	Off
15W	20W	40W	On	Off	Off
25W	40W	80W	Off	On	Off
40W	55W	125W	On	On	Off
50W	75W	170W	Off	Off	On
65W	95W	210W	On	Off	On
75W	115W	245W	Off	On	On
85W	135W	280W	On	On	On

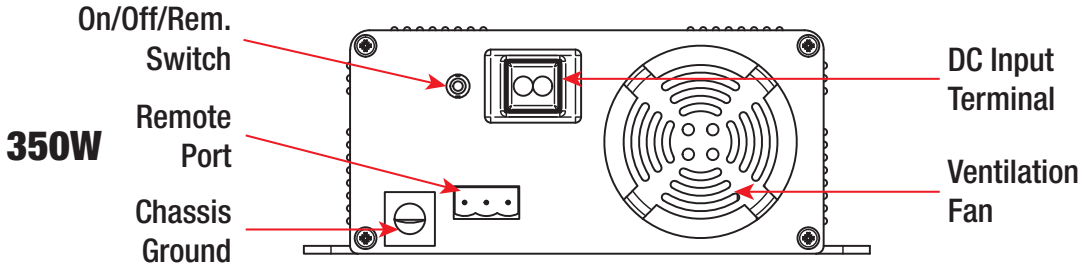
2.1.7 AC Frequency Setting (All Models)

This switch will set the output AC Frequency to either 50Hz or 60Hz. For 700W to 3000W models S4 on the DIP switch is the AC Frequency setting.

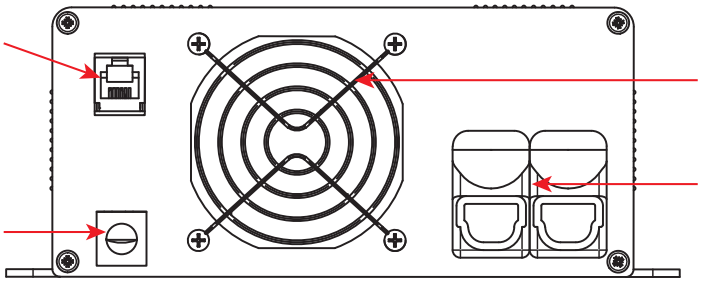
Frequency	Switch
50Hz	Off
60Hz	On

2.2 Rear Panel Operations

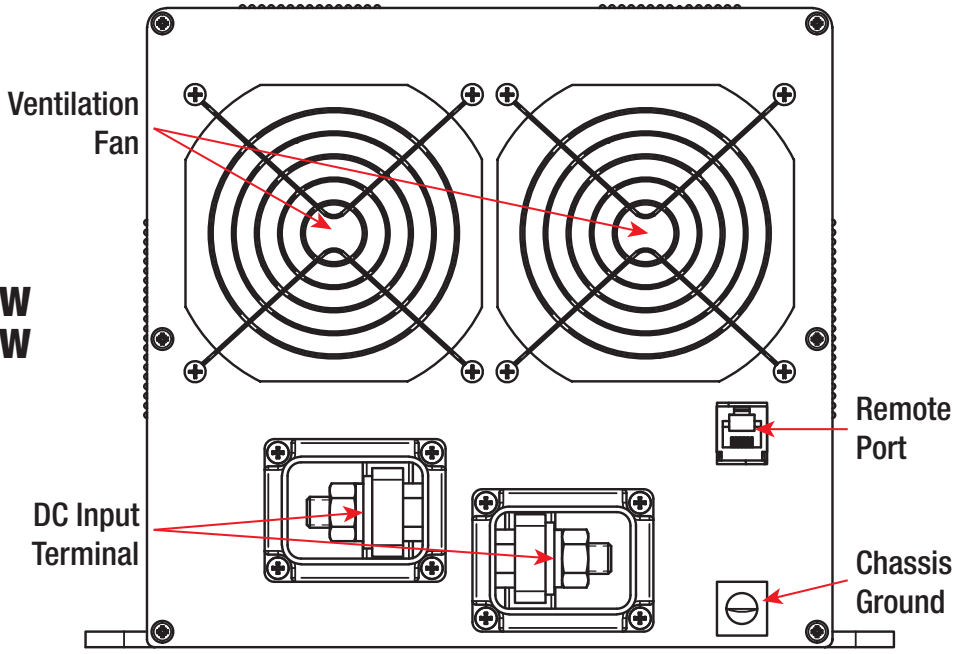
2.2.1 Rear Panel View



350W



700W
1000W
1500W



2000W
3000W

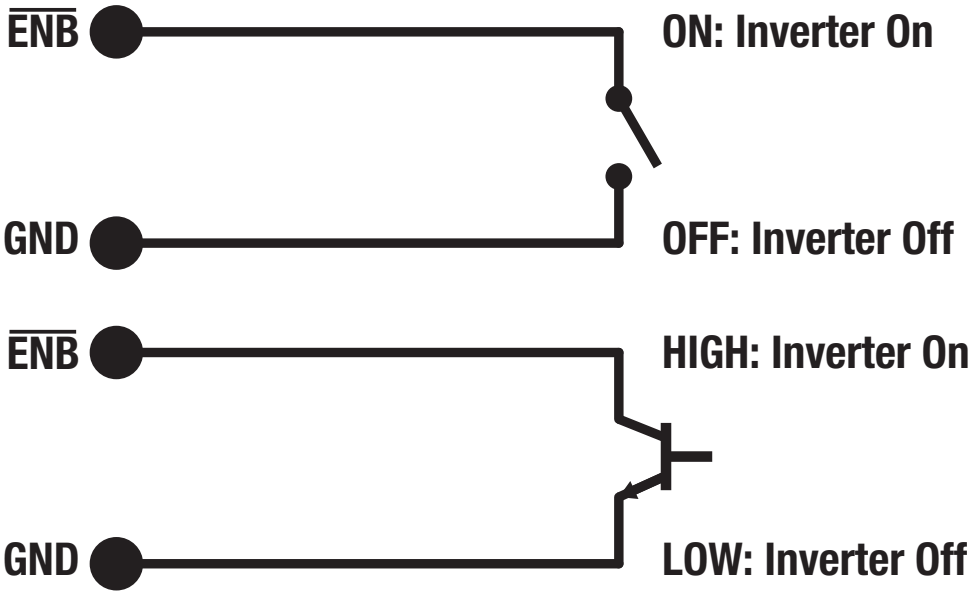
2.2.2 On/Off/Remote Switch (350W Only)

This switch acts as an On - Off switch and can also set the unit to remote mode allowing the On - Off functionality to be performed by an external switch.

Usage:

a. Before installing the inverter, you need to ensure the main switch is set to “OFF”.
b. Before using the remote unit, you need to ensure the main switch is set to “REMOTE”.

Remote Switch Examples



2.2.3 Remote Port (700W - 3000W)

Redarc 700W to 3000W inverters are compatible with the CR-6 & CR-8 remote controls. Before using the remote unit, you need to ensure the main switch is in the “REMOTE” position and the input voltage of the power inverter is the same as the remote unit.

2.2.4 Ventilation Fan

The fan is load controlled and will engage when the AC Power Consumption reaches a certain level. Ensure that the fan is not obstructed and is at a distance of at least 25mm from surrounding objects.

2.2.5 DC Input Terminal (All Models)

- Connect DC input terminal to 12V / 24V battery or the other power sources.
- POS(+) represents positive, and NEG(-) represents negative.
- The Inverter is protected against reverse polarity connection using an internal fuse.

Model	DC Input Voltage	
	Minimum	Maximum
12V	10.5	15.0
24V	21.0	30.0

2.2.6 Chassis Ground

The Chassis Ground terminal should be connected to the vehicle Chassis using 7.5mm² cable as a minimum.

WARNING
Operating the inverter without a proper ground connection may cause an electrical hazard.

3 INSTALLATION

3.1 Mounting

The power inverter should be installed in an environment that meets the following requirements:

1. Dry – Do not allow water to drip on or enter into the inverter.
2. Cool – Ambient air temperature should be between 0°C and 40°C, the cooler the better.
3. Safe – Do not install the inverter in a battery compartment or other areas where volatile fumes may exist, such as fuel storage areas or engine compartments.
4. Ventilated – Keep the inverter a distance (as least 25mm) away from surrounding objects. Ensure the ventilation shafts on the rear and the bottom of the unit are not obstructed.
5. Dust – Do not install the Inverter in a dusty environments the dust can be inhaled into the unit when the cooling fan is working.
6. Fused – A fuse must be fitted between the battery and the Inverter.
7. Close to batteries – Avoid excessive cable lengths. Do not install the Inverter in the same compartment as batteries.
8. Use the recommended wire lengths and sizes (see section 3.2).
9. Do not mount the Inverter where it will be exposed to the gasses produced by the battery. These gasses are very corrosive, and prolonged exposure will damage the Inverter.

WARNING

SHOCK HAZARD! Before proceeding further, carefully check that the Inverter is NOT connected to any batteries, and that all wiring is disconnected from any electrical sources. Do not connect the output terminals of the Inverter to an incoming AC source.

3.2 DC Wiring Connections (700W - 3000W)

Connect cables to the power input terminals on the rear panel of the inverter. The red terminal represents positive POS(+) and the black terminal represents negative NEG(-). Insert the cables into the terminals and tighten the screw to clamp the wires securely.

WARNING

Ensure all the DC connections are tight (torque to 11.7 – 13 Nm, 9 – 10 ft-lbs). Loose connections may cause overheat and fire.

WARNING

The installation of a fuse must be on a positive cable. Failure to place a fuse on "+" cables running between the inverter and battery may cause damage to the inverter and will void warranty.

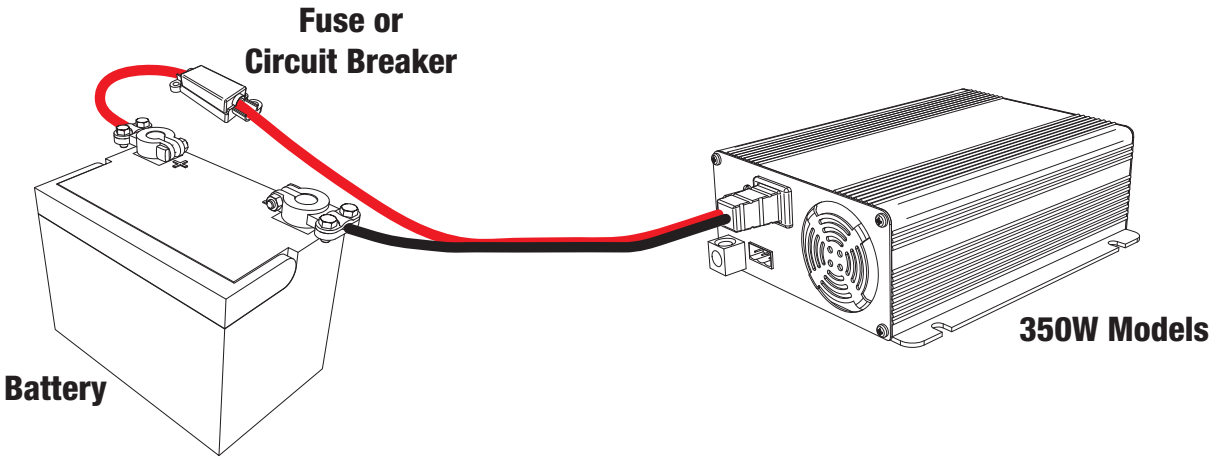
3.2.1 DC Cable Size

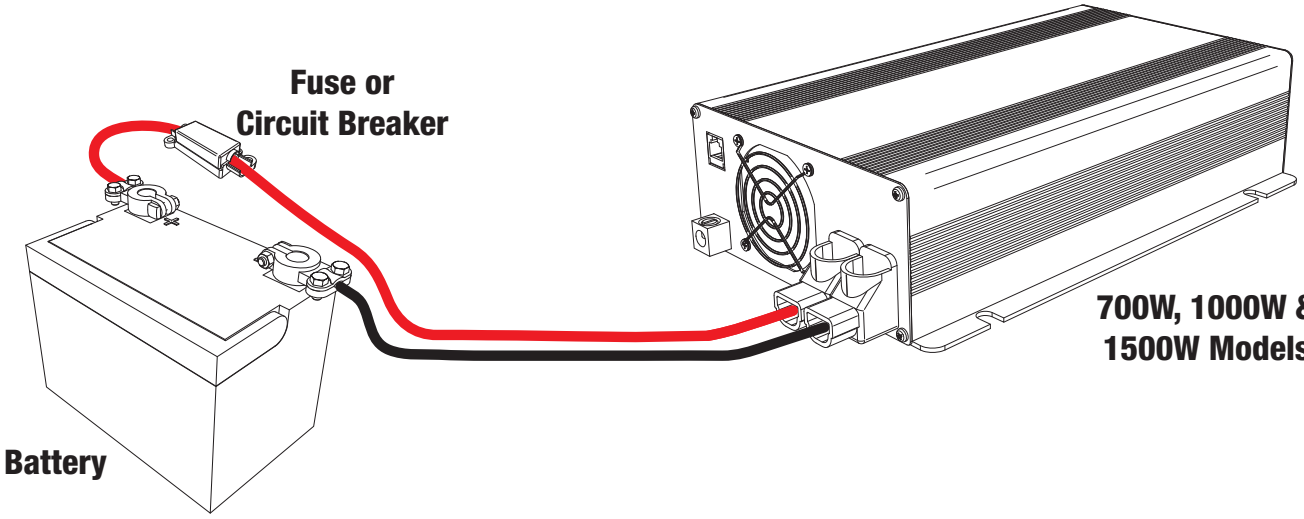
The tables below give the recommended cable/conductor cross-sectional area (mm²), and recommended B & S size for a required current across a particular distance. In this case the distance is between the battery and the inverter. It is recommended to choose a cable size close to but larger than required.
NOTE: the cable cross-sectional area will need to be increased, (de-rated), should the cables be bundled with other heat generating cables, thermally insulated or subjected to high ambient temperatures.

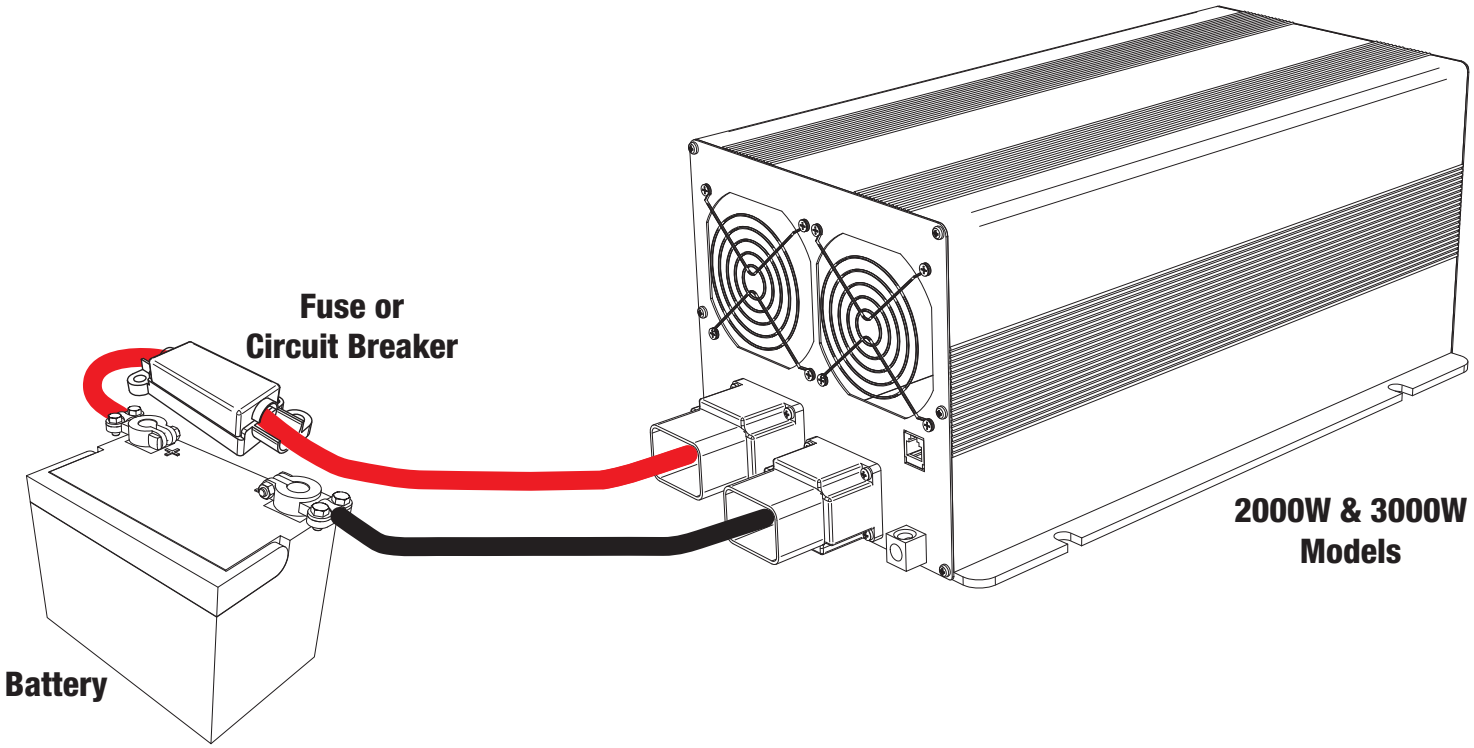
mm²		Amps (A)										
		5	10	20	30	40	50	60	70	80	90	100
Distance (m)	1	1	2	3.5	5	5	5	7.5	10	10	16	16
	2	1	2	3.5	5	5	7.5	10	10	16	16	16
	3	1	2.5	5	5	7.5	7.5	10	16	16	17	25
	4	1	2.5	5	7.5	7.5	10	10	16	16	25	25
	5	1	2.5	5	7.5	10	10	16	16	25	25	25
	6	2	2.5	5	7.5	10	10	16	25	25	25	25
	7	2	2.5	5	7.5	10	10	16	25	25	23	25
	8	2	3.5	7.5	10	10	16	16	25	25	25	25
	9	2	3.5	7.5	10	16	16	25	25	25	25	35
	10	2	3.5	7.5	10	16	16	25	25	25	35	35

B&S		Amps (A)										
		5	10	20	30	40	50	60	70	80	90	100
Distance (m)	1	16	14	12	10	10	10	8	8	8	6	6
	2	16	14	12	10	10	8	8	8	6	6	6
	3	16	14	10	10	8	8	6	6	6	6	4
	4	16	14	10	10	8	8	6	6	6	4	4
	5	16	14	10	8	8	6	6	6	4	4	4
	6	14	14	10	8	6	6	6	4	4	4	4
	7	14	14	10	8	6	6	6	4	4	4	4
	8	14	12	8	8	6	6	4	4	4	4	4
	9	14	12	8	8	6	4	4	4	4	4	2
	10	14	12	8	8	6	4	4	4	4	2	2

3.3 Wiring Diagrams

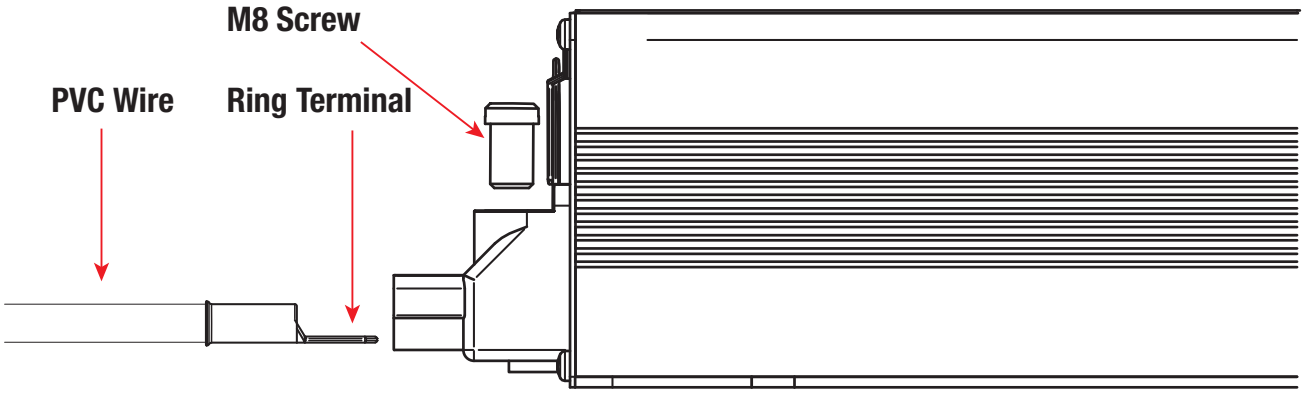




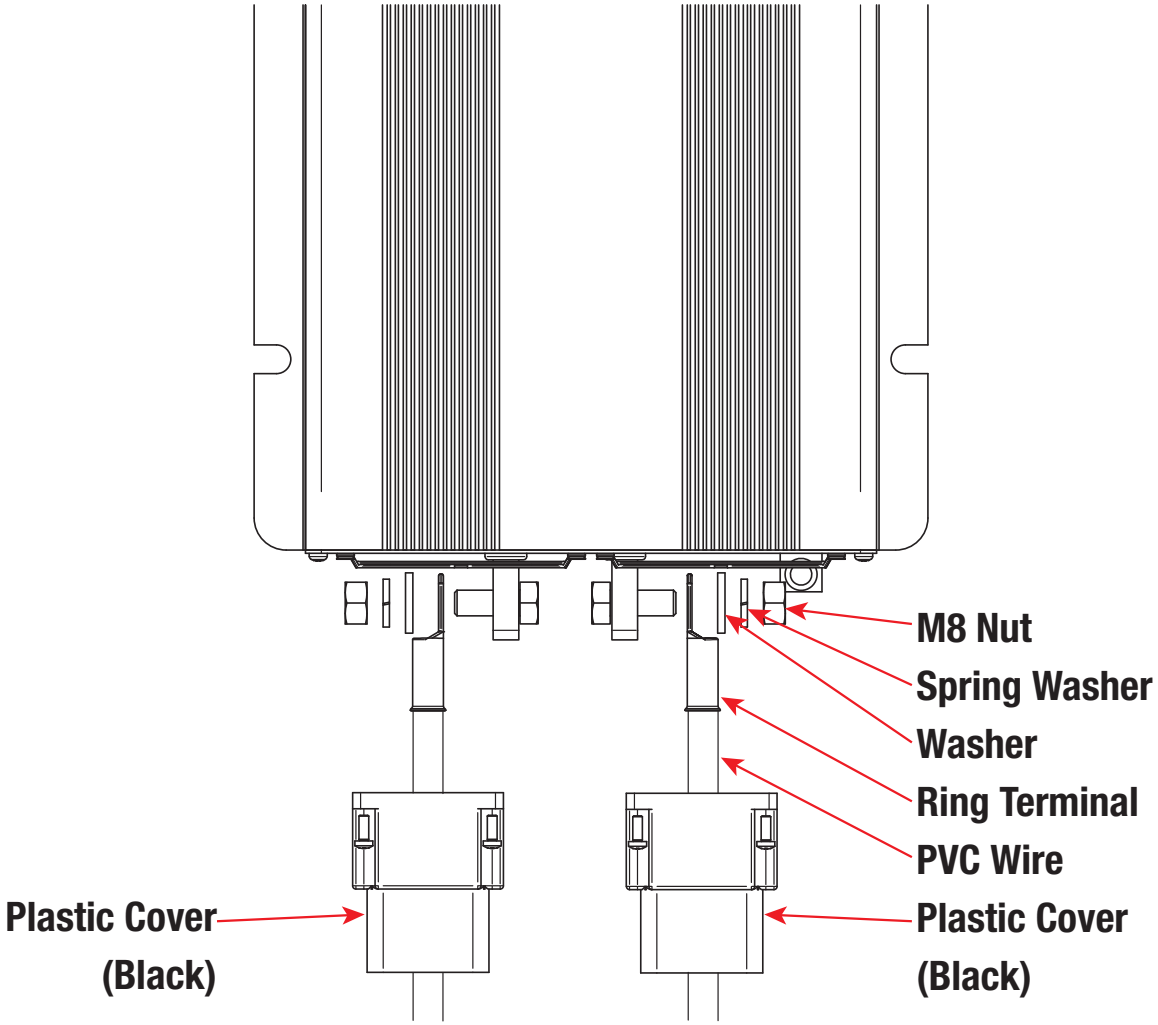


3.4 DC Cable Connection (700W - 3000W)

3.4.1 700W - 1500W DC Connection method



3.4.2 2000W - 3000W DC Connection method



3.5 AC Safety Grounding

Residual Current Devices (RCD)
Certain installation codes and/or government regulations require the installation of a RCD.
Redarc has tested a number of commercially available RCDs and found that they functioned properly when connected to the output of the Inverter.

NOTE: The AC output ground wire should go to the grounding point for your loads (for example, a distribution panel ground bus).

3.6 Inverter First Operation

To operate the power inverter, use the ON / OFF switch on the Front panel to turn the power on. The power inverter is now ready to deliver AC power to your loads. If there is several loads, turn them on separately after the inverter is “ON” in order to prevent OVP resulted from the surge power.

1. Set the power switch to the “ON” position, the buzzer will send out “Beep” sounds at this point. The inverter will now perform self-diagnosis, and the LED indicators will also appear various colors. Finally the buzzer will “Beep” again and the Input Level and Status LED indicators will turn “Green” in color, then the inverter starts to work successfully.
2. Set the power switch to the OFF position, the inverter will stop and all the LED’s go off.
3. Set the power inverter switch to the ON position and turn the test load on. The inverter should supply power to the load. If you plan to accurately measure the true output R.M.S. voltage of the inverter, a true R.M.S meter must be used to measure the output of the inverter.

3.7 Maintenance

To keep your inverter operating properly, there is very little maintenance required.
You should clean the exterior periodically with a damp cloth to prevent accumulation of dust and dirt. At the same time, tighten the screws on the DC input terminals.

Problem or Symptoms	Possible Cause	Solutions
NO AC power output & Status LED is RED and Blinking Fast	Over voltage on the input (OVP)	Check input voltage, ensure that input is below 14.3V (28.8V on 24V)
NO AC power output & Status LED is RED and Blinking Slowly	Low input voltage (UVP)	Check input voltage, ensure that input is above 12.7V (25.2V on 24V)
NO AC power output & Status LED is RED and Blinking Intermittently	Thermal Shutdown (OTP)	Ensure that nothing is blocking the ventilation fan at that the ventilation fan is still operational
NO AC power output & Status LED is RED and is ON Solid	Short circuit or wiring error. Overload (OLP)	Check AC wiring for short circuit. Reduce the load.

5 TWO YEAR WARRANTY

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

The benefits of this Warranty are in addition to other rights and remedies available at law in respect of the Products and shall not derogate from any applicable mandatory statutory provisions or rights under the Australian Consumer Law.

Redarc Electronics Pty Ltd atf the Redarc Trust trading as Redarc Electronics ("Redarc") offers a warranty in respect of its Products where the Products are purchased from an authorised distributor or reseller of Redarc by a person ("Purchaser"), on the terms and conditions, and for the duration, outlined below in this document ("Warranty").

1 In this Warranty, the term **Products** means:
- 1.1 all products manufactured or supplied by Redarc (excluding its solar products which are covered by Redarc's Solar Product Warranty); and
- 1.2 any component of or accessory for any product in clause 1.1 manufactured or supplied by Redarc.

Offer and duration of product warranties

2 Redarc warrants that its Products will be free, under normal application, installation, use and service conditions, from defects in materials and workmanship affecting normal use, for **two (2) years** from the date of purchase (**Warranty Period**).

3 Where a Product malfunctions or becomes inoperative during the Warranty Period, due to a defect in materials or workmanship, as determined by Redarc, then subject to further rights conferred by the Australian Consumer Law on the Purchaser, Redarc will, in exercise of its sole discretion, either:
- 3.1 repair the defective Product;
- 3.2 replace the defective Product; or
- 3.3 provide a refund to the Purchaser for the purchase price paid for the defective Product,

without charge to the Purchaser.

4 The warranty given by Redarc in clause 3 covers the costs of delivery and installation of any repaired or replaced Products or components of Products to the Purchaser's usual residential address notified to Redarc, together with the costs of removal and return of any Products determined by Redarc to be defective.

Exclusions and limitations

5 This Warranty will not apply to, or include any defect, damage, fault, failure or malfunction of a Product, which Redarc determines, in exercise of its sole discretion, to be due to:
- 5.1 normal wear and tear or exposure to weather conditions over time;
- 5.2 accident, misuse, abuse, negligence, vandalism, alteration or modification;
- 5.3 non-observance of any of the instructions supplied by Redarc, including instructions concerning installation, configuring, connecting, commissioning, use or application of the Product, including without limitation choice of location;
- 5.4 failure to ensure proper maintenance of the Product strictly in accordance with Redarc's instructions or failure to ensure proper maintenance of any associated equipment or machinery;
- 5.5 repairs to the Product that are not strictly in accordance with Redarc's instructions;
- 5.6 installation, repairs or maintenance of the Product by a person who is not a qualified auto electrician or electronics technician, or if non-genuine or non-approved parts have been fitted;
- 5.7 faulty power supply, power failure, electrical spikes or surges, lightning, flood, storm, extreme heat, fire or other occurrence outside the control of Redarc;
- 5.8 use other than for any reasonable purpose for which the Product was manufactured;
- 5.9 any indirect or incidental damage of whatever nature outside the control of Redarc.

6 Warranty claims in respect of a Product must be made in writing to Redarc at the postal address or email address specified in clause 20 within the Warranty Period. Such claims must include the following:
- 6.1 details of the alleged defect or fault and the circumstances surrounding the defect or fault;
- 6.2 evidence of the claim, including photographs of the Product (where the subject of the claim is capable of being photographed);
- 6.3 the serial number of the Product, specified on the label affixed to the Product; and
- 6.4 proof of purchase documentation for the Product from an authorised distributor or reseller of Redarc, which clearly shows the date and place of purchase.

The return of any Products without the prior written instructions of Redarc will not be accepted by Redarc.

7 Without limiting any other clause in this Warranty, Redarc has the right to reject any Warranty claim made by a Purchaser pursuant to this Warranty where:
- 7.1 the Purchaser does not notify Redarc in writing of a Warranty claim within the Warranty Period;
- 7.2 the Purchaser does not notify Redarc in writing of a Warranty claim within one month of becoming aware of the relevant circumstances giving rise to the claim, so that any further problems with the Product are minimised;
- 7.3 the serial number of the Product has been altered, removed or made illegible without the written authority of Redarc;
- 7.4 the Purchaser is unable to provide proof of purchase documentation in accordance with clause 6.4 or evidence that the Product was properly installed and removed (if relevant), and that proper maintenance has been performed on the Product, by a qualified auto electrician or electronics technician, in accordance with the instructions of Redarc.

8 If the Product is found to be working satisfactorily on return to Redarc or upon investigation by Redarc, the Purchaser must pay Redarc's reasonable costs of testing and investigating the Product in addition to shipping and transportation charges. Where Redarc is in possession of the Product, the Product will be returned to the Purchaser on receipt of the amount charged.

9 Any replaced Products or components of Products shall become the property of Redarc.

10 Redarc may, in exercise of its sole discretion, deliver another type of Product or component of a Product (different in size, colour, shape, weight, brand and/or other specifications) in fulfilling its obligations under this Warranty, in the event that Redarc has discontinued manufacturing or supplying the relevant Product or component at the time of the Warranty claim, or where such Product or component is superior to that originally purchased by the Purchaser.

Other conditions of Warranty

11 If the Purchaser acquired a Product for the purpose of resupply, then this Warranty shall not apply to that Product.

12 In particular, the sale of a Product via an online auction, online store or other internet website by a party that is not an authorised distributor or reseller of the Product will be deemed to be a resupply within the meaning of the Australian Consumer Law and will render this Warranty void, as Redarc has no control over the storage, handling, quality or safety of Products sold by such persons.

13 A Purchaser shall only be entitled to the benefit of this Warranty after all amounts owing in respect of the Product have been paid.

14 While Redarc warrants that the Products will be free from defects in materials and workmanship in the circumstances set out in this Warranty, to the maximum extent permitted by law Redarc does not warrant that the operation of the Products will be uninterrupted or error-free.

15 To the maximum extent permitted by law, Redarc's determination of the existence of any defect and the cause of any defect will be conclusive.

16 Spare parts or materials for the Products are guaranteed to be available for a period of at least two (2) years after purchase of the Products.

17 The agents, officers and employees of any distributor or reseller of the Products and of Redarc are not authorised to vary or extend the terms of this Warranty.

18 Redarc shall not be responsible or liable to the Customer or any third party in connection with any non-performance or delay in performance of any terms and conditions of this Warranty, due to acts of God, war, riots, strikes, warlike conditions, plague or other epidemic, fire, flood, blizzard, hurricane, changes of public policies, terrorism and other events which beyond the control of Redarc. In such circumstances, Redarc may suspend performance of this Warranty without liability for the period of the delay reasonably attributable to such causes.

19 If a clause or part of a clause in this Warranty can be read in a way that makes it illegal, unenforceable or invalid, but can also be read in a way that makes it legal, enforceable and valid, it must be read in the latter way. If any clause or part of a clause in this Warranty is illegal, unenforceable or invalid, that clause or part is to be treated as removed from this Warranty, but the rest of this Warranty is not affected.

Redarc's contact details

20 Redarc's contact details for the sending of Warranty claims under this Warranty are:

Redarc Electronics Pty Ltd
23 Brodie Road (North), Lonsdale SA 5160
Email: power@redarc.com.au
Telephone: +61 8 8322 4848

THE POWER OF

REDARC

Free technical assistance!

please contact

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